

Title (en)  
EXTRACTION FROM CELLS

Title (de)  
EXTRAKTION AUS ZELLEN

Title (fr)  
EXTRACTION À PARTIR DE CELLULES

Publication  
**EP 2707494 B1 20180425 (EN)**

Application  
**EP 12725861 A 20120509**

Priority  
• GB 201107737 A 20110509  
• GB 2012000423 W 20120509

Abstract (en)  
[origin: WO2012153089A1] A method for releasing the content of the periplasmic space of bacterial cells is provided, which comprises incubating the bacterial cells in a solution containing styrene maleic acid copolymer (SMA). Also provided is a method of preparing a substantially pure sample of recombinant polypeptide. The methods find application in the recovery of materials, such as proteins, from bacterial cells.

IPC 8 full level  
**C12P 21/00** (2006.01); **C12N 1/06** (2006.01); **C12N 9/28** (2006.01)

CPC (source: EP US)  
**A61P 29/00** (2017.12 - EP); **C12N 1/06** (2013.01 - EP US); **C12N 9/2417** (2013.01 - EP US); **C12P 21/00** (2013.01 - EP US)

Citation (examination)  
WO 2005110647 A1 20051124 - CA NAT RESEARCH COUNCIL [CA]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012153089 A1 20121115; WO 2012153089 A8 20121220**; CN 103649325 A 20140319; CN 103649325 B 20150909;  
EP 2707494 A1 20140319; EP 2707494 B1 20180425; GB 201107737 D0 20110622; JP 2014512843 A 20140529; JP 5886940 B2 20160316;  
US 2014199751 A1 20140717; US 9523086 B2 20161220

DOCDB simple family (application)  
**GB 2012000423 W 20120509**; CN 201280033450 A 20120509; EP 12725861 A 20120509; GB 201107737 A 20110509;  
JP 2014509806 A 20120509; US 201214116584 A 20120509